

UBCO 2X2 - Allocated Repair Times

The purpose of this document is to provide a comprehensive list of all repair procedures and the specified allocated repair times. These repair times form the basis for warranty and repair invoice approval. Additional repair time may be approved, if supported, and found to be justified by the technician write-up. Approval for any additional labour time is at the discretion of UBCO Ltd.

SERVICE TASK	ALLOCATED TIME (1.0 = 60min)
BATTERY	
Battery plug replacement	0.25 (15 mins)
BMS replacement	1.0 (60 mins)
BRAKE SYSTEM	
Front brake unit replacement	0.5 (30 mins)
Rear brake unit replacement	0.75 (45 mins)
Brake pad set replacement per calliper	0.25 (15 mins)
Brake unit bleed	0.75 (45 mins)
ELECTRICAL	
Horn replacement	0.17 (10min)
Motor controller replacement	0.25 (15 mins)
VMS replacement	0.5 (30 mins)
Indicator replacement	0.08 (5min)
Taillight replacement	0.17 (10min)
Rear Motor cable replacement	0.5 (30 mins)
Front Motor cable replacement	0.25 (15 mins)
Display cable replacement	0.25 (15 mins)
FRAME	
Seat replacement	0.17 (10min)
Foot peg replacement	0.17 (10min)
Kickstand replacement	0.17 (10min)
Frame replacement	2.5 (150 mins)
HANDLEBAR	
Ethrottle replacement	0.25 (15 mins)
Digital display replacement	0.25 (15 mins)
Lever guard installation	0.25 (15 mins)
Headlight replacement	0.25 (15 mins)
Handlebar grips replacement	0.25 (15 mins)

SERVICE TASK	ALLOCATED TIME (1.0 = 60min)
INSPECTION	
Assemble 2X2 from box	0.25 (15 mins)
Pre-Delivery Inspection (PDI)	1.0 (60 mins)
SINGLE HUB MOTOR SERVICE	
Motor service	0.5 (30 mins)
Motor service + Planetary gear replacement	0.67 (40min)
Motor service + Bearing replacement	0.67 (40min)
Motor service + Planetary gear & Bearing replacement	0.83 (50min)
Motor service + Hall sensor replacement	1.0 (60 mins)
Motor service + Temperature sensor replacement	1.0 (60 mins)
Motor service + Hall sensor + Temperature sensor	1.17 (70 mins)
Replacement motor core assembly including gears	0.75 (45 mins)
SERVICE	
10hr service	0.5 (30 mins)
Fleet service incl replacement of both brake pad sets	0.83 (50 mins)
Intermediate service	1.0 (60 mins)
Full service (includes the service of both Hub motors)	2.0 (120 mins)
Full service + Planetary gear replacement	2.17 (130 mins)
Full service + Planetary gear & Bearing replacement	2.33 (140 mins)
SUSPENSION	
Rear suspension pair replacement	0.5 (30 mins)
Swing arm replacement	0.75 (45 mins)
Front fork replacement	0.5 (30 mins)
Front fork boot replacement	0.75 (45 mins)
WHEEL ASSEMBLY	
Wheel replacement	0.17 (10min)
Tyre Inner tube replacement using a tyre machine	0.25 (15 mins)
Brake rotor replacement	0.5 (30 mins)
Tyre replacement	0.25 (15 mins)
Spoke replacement	0.5 (30 mins)
Complete spoke replacement & rebalance	2.0 (120 mins)